

UNIPOL A 7980

Unipol A 7980 is a water-based dispersion, pure acrylic, self-cross linking. It is APEO, ammonia and plasticizer free.

	Unit	Value	Method
Sales Specifications			
Solids content	%	44 ± 1	DIN 53189 / ISO 1625
Viscosity	mPa·s	< 100	ISO 2555, Brookfield RVT; spindle 4; 20 rpm; 23 °C
pH		8.0 ± 1.0	DIN 53785 / ISO 1148
Typical values of emulsion			
Particle size	µm	Approx. 0.08	
Minimum film forming temperature (MFFT)	°C	approx. 4	DIN 53787 / ISO 2115
Density	g/cm ³	approx. 1.04	ISO 8962
Typical values of film¹			
Appearance		Clear, flexible, not tacky	
Density	g/cm ³	-	with reference to DIN 53479
Water absorption	%	-	with reference to DIN 53495
Tensile Strength	Nmm ²	-	with reference to DIN 53455
Glass transition temperature (T _g)	°C		DIN 53765 (DSC; heating rate 10 K/min)

(1) Dried in standard conditioning atmosphere at 23 °C and 50 % relative humidity (DIN EN 23270)

Key Features

Outstanding blocking resistance	High transparency and dirt pick-up resistance
Superb adhesion	Very good hardness and elasticity
Excellent weather, early water and alkali resistance	Yellowing resistance

Applications

High-quality pigmented coatings and clear- varnishes, suitable for interior and exterior use.
 Special primer on metallic surfaces like aluminum, steel, galvanized steel, tin etc.
 Multiprimer on glass, PVC, various plastic surfaces, wood, cement etc.
 High performance clear and pigmented varnishes, dyes, stains for wood etc.

Specific Information

Unipol A 7980 is compatible with: - a variety of associative thickeners and exhibits excellent viscosity stability. - various cosolvents and coalescing agents (the addition percentage and the type of each cosolvent will affect the final hardness of the product). - a variety of wetting agents, defoamers and preservatives.
 The final products formulated with Unipol A 7980 can be applied by roller, brush, airless and air spray guns.

Storage

Unipol A 7980 can be stored for at least 6 months between +5°C and +40°C.

Packaging

Unipol A 7980 is available in 120 kg drums, 1050 kg IBCs and bulk.

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